BRUHATH BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

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Name of work: Estimate for the work of Providing street light in ward no-02 of yelahanka Sub division.

ESTIMATE COST: RS. 25.00 lakhs

Executive Engineer,
Yelahanka division,
BBMP, BANGALORE-64

ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಪೂರಕವಾದ ವರದಿ

ವಿಷಯ: Providing street light in ward no-02 of yelahanka Sub division.

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ಮೇಲ್ಕಂಡ ವಿಷಯಕ್ಕೆ ಸಂಬಂದಿಸಿದಂತೆ, ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ಯಲಹಂಕ ಉಪ ವಿಭಾಗದ ವಾರ್ಡ್ ನಂ-02 ರ ವ್ಯಾಪ್ತಿಯಲ್ಲಿನ ಎಲ್ಲಾ ಪ್ರದೇಶಗಳಲ್ಲಿ ಬೀದಿ ದೀಪಗಳನ್ನು ಆಳವಡಿಸಿಕೊಡುವಂತೆ ಸಾರ್ವಜನಿಕರು ಯಲಹಂಕ ವಿಧಾನ ಸಭಾ ಕ್ಷೇತ್ರದ ಮಾನ್ಯ ಶಾಸಕರು ಮತ್ತು ಬಿ.ಬಿ.ಎಂ.ಪಿ ಸದಸ್ಯರುಗಳಿಗೆ ಮನವಿಯನ್ನು ಸಲ್ಲಿಸಿರುತ್ತಾರೆ. ಮುಂದುವರೆದು ಯಲಹಂಕ ವಿಧಾನ ಸಭಾ ಕ್ಷೇತ್ರದ ಮಾನ್ಯ ಶಾಸಕರು ಮತ್ತು ಬಿ.ಬಿ.ಎಂ.ಪಿ ಸದಸ್ಯರು **ಸದರಿ ಕಾಮಗಾರಿಯನ್ನು** 14ನೇ ಹಣಕಾಸು ಯೋಜನೆಯಡಿಯಲ್ಲಿ 2018-19ನೇ ಸಾಲಿನ ಲೆಕ್ಕಶಿರ್ಷಿಕೆ ಪಿ- 3290 ರಡಿಯಲ್ಲಿ ಸೇರಿಸಿ ಬೀದಿ ದೀಪಗಳ ಆಳವಡಿಸುವ ಕಾಮಗಾರಿಯನ್ನು ಕೈಗೊಂಡು ನಿರ್ವಹಿಸಿ ರಾತ್ರಿಯ ವೇಳೆ ಸಾರ್ವಜನಿಕರ ಒಡಾಟಕ್ಕೆ ಮತ್ತು ವಾಹನಗಳ ಸಂಚಾರಕ್ಕೆ ಅನುಕೂಲ ಮಾಡಿಕೊಡುವಂತೆ ತಿಳಿಸಿರುತ್ತಾರೆ.

ಅದರಂತೆ ಸ್ಥಳ ಪರಿವೀಕ್ಷಣೆ ಮಾಡಿ ಈ ಮೇಲ್ಕಂಡ ಕಾಮಗಾರಿಯನ್ನು 2018-19ನೇ ಸಾಲಿನ ಪಿ-3291 ಲೆಕ್ಕಶಿರ್ಷಿಕೆಯಡಿಯಲ್ಲಿ ರೂ. 25.00 ಲಕ್ಷಗಳಿಗೆ ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆ 2014-15ನೇ ಸಾಲಿನಲ್ಲಿ ಮಂಜೂರಾಗಿರುವ ಎಲೆಕ್ಟ್ರೀಕಲ್ ದರಪಟ್ಟಿಯಂತೆ ತಯಾರಿಸಲಾಗಿದೆ.ಸದರಿ ಅಂದಾಜು ಪಟ್ಟಿಯಲ್ಲಿ ಈ ಕೆಳಕಂಡ ಅಂಶಗಳು ಒಳಗೊಂಡಿರುತ್ತದೆ.

1. ವಾರ್ಡ್ ನಂ-02ರ ಪ್ರದೇಶಗಳಲ್ಲಿ ಬೀದಿ ದೀಪಗಳನ್ನು ಆಳವಡಿಸುವುದು ಇತ್ಯಾದಿ.

ಮೇಲ್ಕಂಡ ಕಾಮಗಾರಿಯನ್ನು 2014-15ನೇ ಸಾಲಿನಲ್ಲಿ ಮಂಜೂರಾಗಿರುವ ಎಲೆಕ್ಟ್ರೀಕಲ್ ದರಪಟ್ಟಿಯಂತೆ ದರಪಟ್ಟಿಯಂತೆ ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು **ರೂ. 25.00 ಲಕ್ಷಗಳಿಗೆ** ತಯಾರಿಸಿದ್ದು, ಅಂದಾಜಿನಲ್ಲಿ ಕೇವಲ ಅವಶ್ಯವಾದ ಅಂಶಗಳನ್ನು ಮಾತ್ರ ಆಳವಡಿಸಿಕೊಳ್ಳಲಾಗಿರುತ್ತದೆ.

K.N. Baldy

ಸಹಾಯಕ ಅಭಿಯಂತರರು

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು

BRUHAT BANGALORE MAHANAGARA PALIKE

Yalahanka Zone, Electrical Division

Name Of Work :- Detailed Estime for Providing LED Street Lights in Ward No-02 of yelahanka sub division.

Budget Head : P3290

Ward No. 02 **Estimate No:-** **For Rs.** **2500000.00**

l o	SR Page & SL No	Description Of Work	Unit	Qty	Rate	Amount
	4.35.3	LED Street light.Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminare > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacture. Suitable for B1/B2 Roads as per IS 1944 Part I & Part II.LED Streetlight 65watts	117	18720.00	each	2190240.00
2	108 /17.1.2	Supplying & fixing of 32 mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 or rail or RCC pole/wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires complete. Using 32mm dia G.I pipe	117	893.00	Each	104481.00
3	12/2.12.1	Wiring for lighting / power circuit using one of pvc insulated 1100v grade stranded aluminum unsheathed wire single core cable in open or concealed system of wiring as per IS - 694 : 19904sq mm	400	7.50	Per Mtr	3000.00
4	108/ 17.5	Fixing halogen/ metal hallide /SVL/IL/LED flood light fittings over existing pole/ wall ceiling including clamps bolts nuts and wiring using sitable capacity wires	50	176.00	Nos	8800.00
5	50/6.41.1	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop-Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.200mmx200mmx98mm	15	2178.00	Nos	32670.00

6	46/6.13. A.1	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps 25kA.	15	4044.00	Nos	60660.00
7	49/6.39.1	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)40X40X6mm	10	263.00	Mtrs	2630.00
8	56/7.6.1	Supplying of 1.1kv grade Aerial Bunched cable stranded & compacted Aluminium Phase conductor and Stranded Messenger conductor with all aluminium alloy, Phase conductor is insulated with XLPE compound insulated Messenger with specified IS - 14255:1995 & confirming to GTP of group A. 2 X 16 + 1 X 25 SQ.MM	150	92.00		13800.00
9	Bes SR	Stringing of 1.1kv LT Arial Bunched Cable, BESCOM SR	150	10.30		1545.00
10	2/1.1.3	Open Conduit Systeme: Supplying heavy gauge PVC conditpipe,,,,,,,,,, dia confirming to IS 2509 with suitable size bends,junction boxes, adhesibve paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall stone structure or plug incase of brick walls and cement plastering damaged portionusing heavy gauge saddles at an interval of 700mm using NF screws.c)32mm dia 2.5mm thick	60	100.00	Per Mtr	6000.00
11	34/5.11	Supplying and stringing of ACSR Conductor (6/2.59mm Al +1/2.59mm Steel)	2000	30.00	Per Mtr	60000.00
12	34/5.9.1	1.1 KV Pin Insulator	45	44.00	Each	1980.00
13	34/5.9.5	No. 8 Strain Insulator	30	14.00	Each	420.00
14	33/5.4.2	2 Pin 45x45x5mm -510mm	45	306.00	Each	13770.00
						4.00
		Total Rs				2500000.00

Administrative Approval
Accorded For 2500000/-
Head of A/C P-3290
CER NO :103/8-1-19

TA CE (YNK)

CERTIFICATE :-

1. The place was inspected and the work is essential.
2. The provision made in the estimate are adequate and necessary and the work comes in the BBMP limit and is legitimate Charges on the BBMP funds.
3. The estimate is based on KPWD (Ele) S.R.2014-15 Rates.

Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
Sub-Division No.
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
YELAHANKA DIVISION
BRUHAT BANGALORE MAHANAGARA PALIKE

Technical Sanction
Accorded For 2500000/-
Head of A/C P-3290
CER NO :101 Dt:8-1-19

TA CE (YNK)